

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P731842

Luminaire Tested: **14CZ2-29-HRP-B2750-W2D-3000K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P731842
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P294787)
Test Lab: INNOVATIONS CENTER(G3)
Issue Date: 1/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 14CZ2-29-HRP-B2750-W2D-3000K
Description: 1X4 2900 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3000K CCT AND HRP LENS

Light Source: -
Ballast/Driver: -

Summary

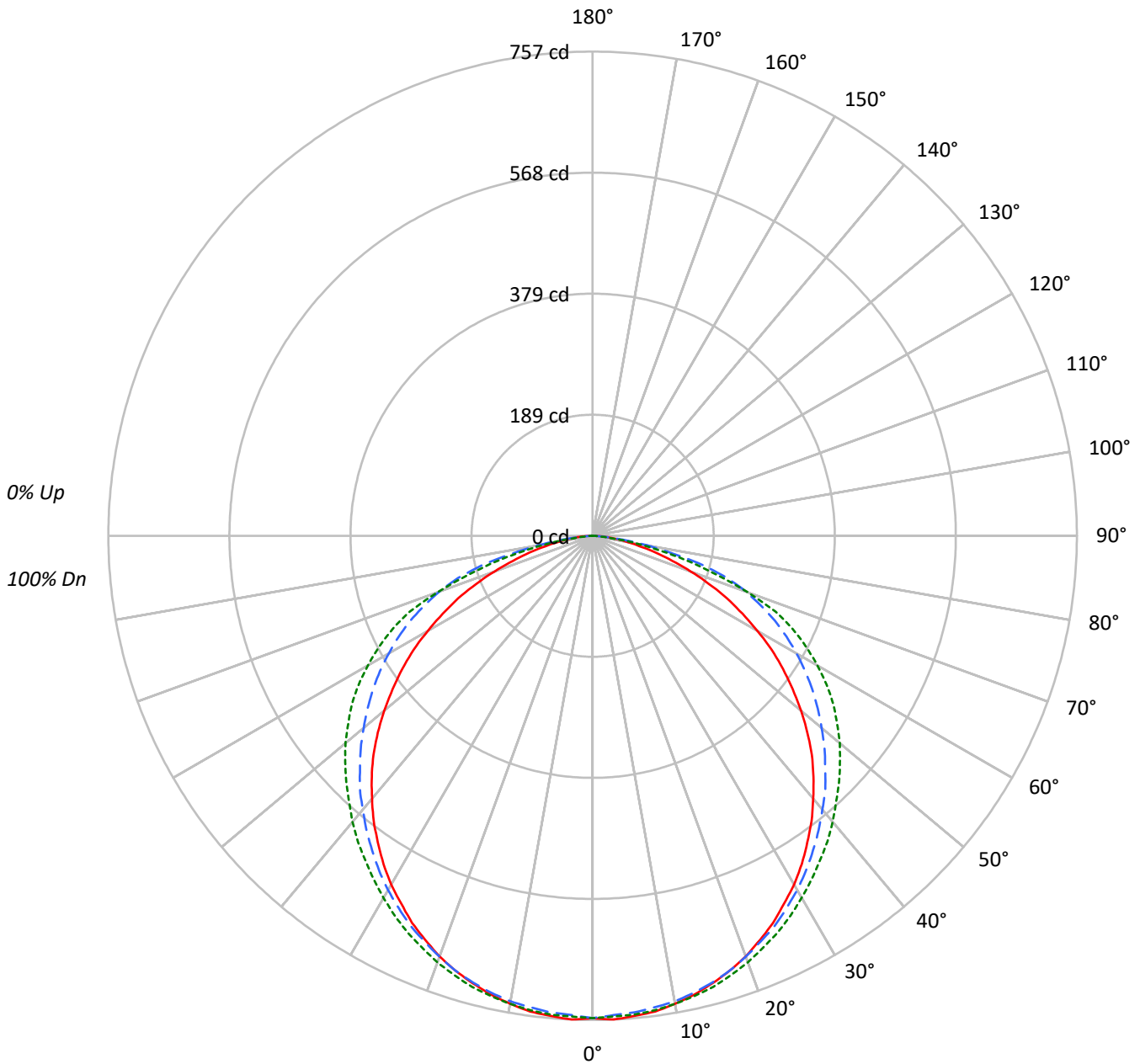
Lumens per Lamp: N/A
Luminaire Lumens: 2221.0 lumens
Efficiency: N/A
Efficacy: 96.6 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.29 / 1.39
Luminous Opening: Rectangular (W 0.96' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 23
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	109	104	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84			
2	99	90	83	78	96	88	82	77	85	79	75	82	77	73	78	75	71	69			
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58			
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49			
5	75	62	53	46	73	61	53	46	59	51	46	57	50	45	55	49	45	42			
6	69	56	47	40	68	55	46	40	53	45	40	51	45	39	50	44	39	37			
7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	45	39	35	33			
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	36	31	29			
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26			
10	52	39	31	26	51	38	31	26	37	30	26	37	30	25	36	30	25	24			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2129	2129	2129
5°	2135	2119	2129
10°	2130	2118	2130
15°	2117	2112	2133
20°	2102	2104	2132
25°	2080	2097	2132
30°	2053	2085	2130
35°	2017	2070	2135
40°	1976	2059	2151
45°	1934	2052	2174
50°	1868	2051	2215
55°	1787	2062	2261
60°	1679	2077	2291
65°	1549	2099	2304
70°	1349	2104	2121
75°	1112	1959	1713
80°	873	1408	1146
85°	680	544	269



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.4	3.2
10°-20°	204.9	9.2
20°-30°	311.1	14.0
30°-40°	377.0	17.0
40°-50°	397.3	17.9
50°-60°	370.9	16.7
60°-70°	296.4	13.3
70°-80°	163.1	7.3
80°-90°	28.8	1.3
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	587.5	26.4
0°-40°	964.5	43.4
0°-60°	1732.7	78.0
0°-90°	2221.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2221.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	754	754	754	754	754	
5°	754	752	748	753	752	72
15°	724	724	723	730	730	204
25°	668	669	673	683	684	307
35°	585	591	601	616	620	366
45°	485	494	514	537	545	373
55°	363	381	419	448	460	324
65°	232	261	314	340	345	228
75°	102	146	180	161	157	110
85°	21	26	17	10	8	25
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	754.2	754.2	754.2	754.2	754.2
2.5°	757.0	754.9	750.1	754.2	752.2
5°	753.6	751.5	748.0	752.9	751.5
7.5°	750.1	747.3	743.7	749.4	748.0
10°	743.0	740.9	739.0	743.7	743.0
12.5°	734.7	734.0	731.9	737.6	736.9
15°	724.3	724.3	722.9	729.8	729.8
17.5°	713.0	712.3	713.0	720.8	720.1
20°	699.7	699.7	700.4	709.6	709.6
22.5°	683.7	684.4	686.5	697.6	696.9
25°	667.7	669.0	673.2	682.9	684.4
27.5°	648.1	651.7	656.4	668.3	669.7
30°	629.9	632.0	639.6	651.0	653.6
32.5°	608.4	612.4	620.9	633.5	637.0
35°	585.2	590.9	600.6	616.0	619.5
37.5°	562.2	567.2	580.4	596.3	602.7
40°	536.4	544.7	558.7	576.9	583.8
42.5°	511.1	519.6	538.5	557.3	563.6
45°	484.6	493.8	514.0	537.1	544.7
47.5°	455.3	465.9	491.7	516.1	524.4
50°	425.3	438.5	467.1	494.5	504.3
52.5°	394.0	410.6	443.5	472.1	481.3
55°	363.2	381.2	419.1	448.4	459.5
57.5°	331.8	351.4	394.0	427.4	433.7
60°	297.5	321.3	368.0	397.3	405.8
62.5°	264.1	291.3	341.5	369.4	376.5
65°	231.9	261.2	314.3	340.1	345.0
67.5°	196.9	231.9	284.2	308.1	309.3
70°	163.5	204.0	254.9	266.0	257.0
72.5°	130.6	173.9	220.8	211.6	204.0
75°	102.0	146.0	179.6	161.4	157.1
77.5°	75.5	119.5	128.5	118.8	111.0
80°	53.7	94.2	86.6	74.1	70.5
82.5°	36.9	59.4	47.5	36.9	32.2
85°	21.0	26.5	16.8	10.4	8.3
87.5°	9.0	6.4	3.5	2.8	2.8
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)